

(No Model.)

S. H. GARVER.

CHECK ROWER FOR CORN PLANTERS.

No. 306,823.

Patented Oct. 21, 1884.

FIG. 1.

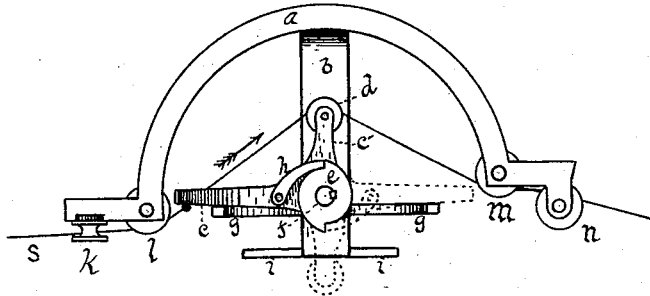
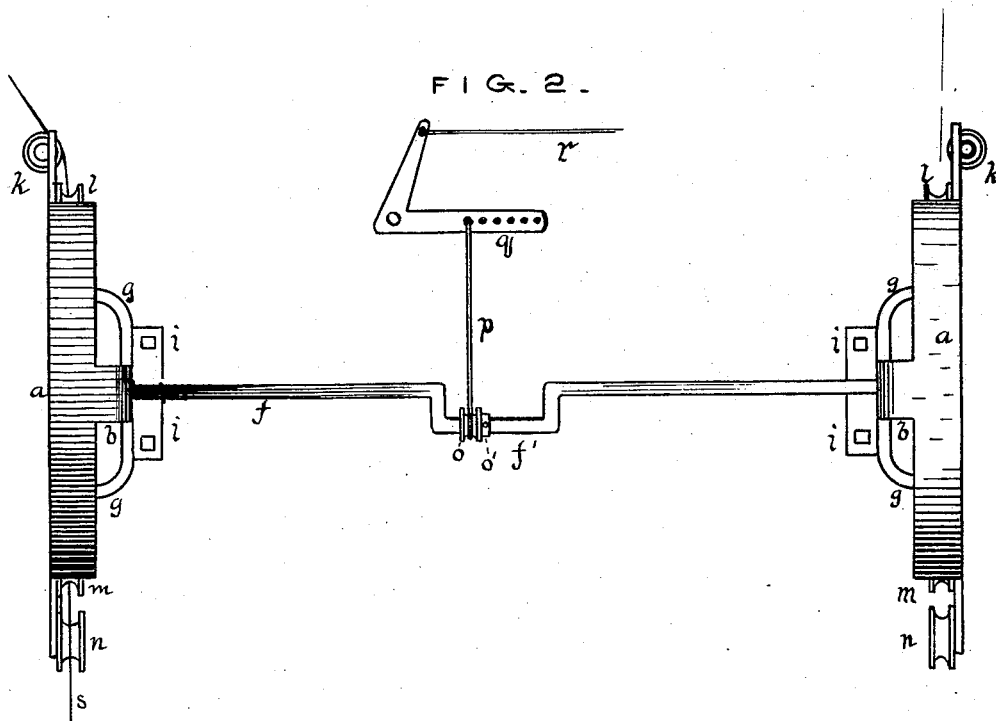


FIG. 2.



Witnesses
C. C. Clark.
J. N. Bills

Inventor.
SAMUEL H. GARVER.
By L. B. Graham
attorney.

UNITED STATES PATENT OFFICE.

SAMUEL H. GARVER, OF DECATUR, ILLINOIS.

CHECK-ROWER FOR CORN-PLANTERS.

SPECIFICATION forming part of Letters Patent No. 306,823, dated October 21, 1884.

Application filed June 10, 1884. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL H. GARVER, a citizen of the United States, residing near Decatur, in the county of Macon and State of Illinois, have invented certain new and useful Improvements in Check-Rowers for Corn-Planters, of which the following is a specification.

In the drawings accompanying and forming a part of this specification, Figure 1 is an end view of my device, and Fig. 2 a plan of the same.

a is a segmental frame, to which the guide-pulleys are attached.

b is a vertical support for arched frame *a*.

c is the lever used to impart intermittent rotary motion in one direction to shaft *f*.

c' is a projection on lever *c*, whose function is to carry pulley *d*.

e is a ratchet-wheel rigid on shaft *f*.

g g act as stops to limit the throw of lever *c*.
h is a pawl on lever *c*, adapted to engage and operate ratchet *e*.

i i are lugs used to secure supports *b b* to the planter.

k is a receiving-pulley pivoting on a vertical pintle.

l is a receiving-pulley pivoting on a horizontal pintle.

m and *n* are discharging-pulleys for the wire.

d is a pulley adapted to hold the wire in proper position to operate the lever *c*.

s is the check-row wire.

f' represents a crank-bend in the shaft *f*.

o is a revolving collar on crank-bend *f'*.

o' represents a set-screw for adjusting the position of collar *o* on the shaft.

p is a rod that connects collar *o* with bent

lever *q*. *r* connects lever *q* with the seed-slides of the planters.

In operation, the stops on the wire, operating in the bifurcation of the lever *c*, cause said lever to assume the position indicated by the dotted lines in Fig. 1, and impart a semi-revolution to the shaft through pawl *h* and ratchet *e*. The semi-revolution of the shaft produces a complete throw of lever *q*, and a consequent operation of the seed-slide of the planter. A suitable spring is relied on to carry the lever to its original position, and the operation is continued as above described.

To lengthen or shorten the stroke of the check-rower in order to conform to the drop of various planters, collar *o* is adjusted on the shaft and rod *p* transferred to a suitable hole in the lever *q*.

I claim as new and desire to secure by Letters Patent—

1. The combination of lever *c*, projection *c'*, pulley *d*, pawl *h*, ratchet *e*, and shaft *f*, as and for the purpose set forth.

2. The combination of shaft *f*, provided with crank-bend *f'*, lever *c*, pawl *h*, ratchet *e*, and bent lever *q*, as and for the purpose set forth.

3. The combination of shaft *f*, provided with a series of adjusting-holes, and adjustable collar *o*, as and for the purpose set forth.

4. The combination, with shaft *f* and pulleys *k l m n*, of vertical support *b* and arched frame *a*, as and for the purpose set forth.

SAMUEL H. GARVER.

Witnesses:

WILLIAM SPANGLER,
JESSE FISHER.